

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 250-251, 258-260, 265, 271-273, 279-280, 290, 292, 297, 301-302, 312, and 316 as shown below.

Please **CANCEL** claims 323-351 without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-249. (Canceled)

250. (Currently Amended) A method for interfacing between a terminal and a radio network, ~~wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the method comprising the steps of:~~

a) providing the terminal with a message comprising core network operating type information and an information element identifying ~~including a core network operating type information representing an operating type of a core network,~~

wherein the operating type of the core network comprises global system for mobile communications application part (GSM-MAP) or ANSI-41.

251. (Currently Amended) The method as recited in claim 250, wherein the step a) includes the steps of:

a1) storing ~~[[a]]~~ the core network operating type information; and

a2) reading the core network operating type information stored on a storage device during a time period of initialization of the radio network.

252. (Previously Presented) The method as recited in claim 251, wherein the storage device includes a dip switch for designating the operating type of the core network.

253. (Previously Presented) The method as recited in claim 251, wherein the storage device includes a memory for storing the operating type of the core network.

254. (Previously Presented) The method as recited in claim 253, wherein the memory is a read only memory (ROM).

255. (Previously Presented) The method as recited in claim 250, wherein the step a) includes the steps of:

- a1) inserting the core network operating type information into the message; and
- a2) transmitting the message to the terminal through a predetermined channel.

256. (Previously Presented) The method as recited in claim 255, wherein, in said step a1), the core network operating type information is periodically inserted into the message.

257. (Previously Presented) The method as recited in claim 255, wherein the predetermined channel is a synchronous channel.

258. (Currently Amended) The method as recited in claim 250, wherein the core network operating type is information includes an ANSI-41 information representing a ~~synchronous operating type core network.~~

259. (Currently Amended) The method as recited in claim 250, wherein the core network operating type is information includes ~~a global system for mobile communications application part (GSM-MAP) information representing an asynchronous operating type core network.~~

260. (Currently Amended) The method as recited in claim 250, wherein the core network operating type information includes an is ANSI-41 information ~~representing a synchronous operating type core network and a global system for mobile communications application part (GSM-MAP) information representing an asynchronous operating type core network.~~

261. (Previously Presented) The method as recited in claim 250, wherein the message includes a master information block.

262. (Previously Presented) The method as recited in claim 250, wherein the message includes a system information message.

263. (Previously Presented) The method as recited in claim 250, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO		1.. <MAX		

OTHER SYSTEM INFORMATION BLOCKS		SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

264. (Previously Presented) The method as recited in claim 250, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION				

ELEMENTS				
CN TYPE	M		ANSI-41	
PLMN IDENTITY	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

265. (Currently Amended) An apparatus for interfacing between a terminal and a radio network, ~~wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, said apparatus~~ comprising:

a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with ~~the core network operating type information contained in a message comprising the core network operating type information and an information element identifying the operating type of the core network~~ through a predetermined channel,

wherein the operating type of the core network comprises global system for mobile communications application part (GSM-MAP) or ANSI-41.

266. (Previously Presented) The apparatus as recited in claim 265, wherein the storage device includes a dip-switch for designating the operating type of the core network.

267. (Previously Presented) The apparatus as recited in claim 265, wherein the storage device includes a memory for storing the operating type of the core network.

268. (Previously Presented) The apparatus as recited in claim 267, wherein the memory is a read only memory (ROM).

269. (Previously Presented) The apparatus as recited in claim 265, wherein the predetermined channel is a synchronous channel.

270. (Previously Presented) The apparatus as recited in claim 265, wherein the messaging block inserts the core network operating type information into a synchronous channel message.

271. (Currently Amended) The apparatus as recited in claim 265, wherein the core network operating type is information ~~includes an ANSI-41 information representing a synchronous operating type core network.~~

272. (Currently Amended) The apparatus as recited in claim 265, wherein the core network operating type is information ~~includes a global system for mobile communications application part (GSM-MAP) information representing an asynchronous operating type core network.~~

273. (Currently Amended) The apparatus as recited in claim 265, wherein the core network operating type information ~~includes an~~ is ANSI-41 information ~~representing a synchronous operating type core network and a global system for mobile communications~~

application part (GSM-MAP) information representing an asynchronous operating type core network.

274. (Previously Presented) The apparatus as recited in claim 265, wherein the message includes a master information block.

275. (Previously Presented) The apparatus as recited in claim 265, wherein the message includes a system information message.

276. (Previously Presented) The apparatus as recited in claim 265, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

277. (Previously Presented) The apparatus as recited in claim 265, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
PLMN IDENTITY	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

278. (Previously Presented) The apparatus as recited in claim 265, wherein the radio network includes at least one base transceiver station (BTS) for transmitting a synchronous channel message and a base station controller (BSC) for controlling the BTS.

279. (Currently Amended) A method for interfacing between a terminal and a radio network connected to a core network, wherein ~~the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type and~~ the core network ~~[[are]]~~ has an ANSI-41 operating type, said method comprising the steps of:

a) providing the terminal with a message comprising core network operating type information and an information element identifying ~~including a core network operating type information representing an~~ the operating type of ~~[[a]]~~ the core network.

280. (Currently Amended) The method as recited in claim 279, wherein the step a) includes the steps of:

a1) storing ~~[[a]]~~ the core network operating type information in a storage device; and
a2) reading the core network operating type information stored on a storage device during a time period of initialization of the radio network.

281. (Previously Presented) The method as recited in claim 280, wherein the storage device includes a dip switch for designating the operating type of the core network.

282. (Previously Presented) The method as recited in claim 280, wherein the storage device includes a memory for storing the operating type of the core network.

283. (Previously Presented) The method as recited in claim 282, wherein the memory is a read only memory (ROM).

284. (Previously Presented) The method as recited in claim 279, wherein the step a) includes the steps of:

- a1) inserting the core network operating type information into the message; and
- a2) transmitting the message to the terminal through a predetermined channel.

285. (Previously Presented) The method as recited in claim 284, wherein the predetermined channel is a synchronous channel.

286. (Previously Presented) The method as recited in claim 284, wherein, in said step a1), the core network operating type information is periodically inserted into the message.

287. (Previously Presented) The method as recited in claim 279, wherein the message includes a master information block.

288. (Previously Presented) The method as recited in claim 279, wherein the message includes a system information message.

289. (Previously Presented) The method as recited in claim 279, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
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OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
PLMN IDENTITY	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

290. (Currently Amended) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein ~~the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type~~ and the core network ~~[[are]]~~ has an ANSI-41 operating type, said apparatus comprising:

a first storage device for storing a core network operating type information representing ~~[[an]]~~ the operating type of ~~[[a]]~~ the core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with ~~the core network operating type~~
~~information contained in a message comprising the core network operating type information and~~
~~an information element identifying the operating type of the core network~~ through a
predetermined channel.

291. (Previously Presented) The apparatus as recited in claim 290, further comprising a
second storage device, contained in the terminal, for storing the recognized operating type of
the core network.

292. (Currently Amended) The apparatus as recited in claim 290, wherein the detection
block includes:

receiver block for receiving ~~[[the]]~~ a master information block having the core network
operating type information; and

extraction block for extracting the core network operating type information from the
received master information block.

293. (Previously Presented) The apparatus as recited in claim 290, wherein the first
storage device includes a dip-switch for designating the operating type of the core network.

294. (Previously Presented) The apparatus as recited in claim 290, wherein the first
storage device includes a memory for storing the operating type of the core network.

295. (Previously Presented) The apparatus as recited in claim 294, wherein the memory
is a read only memory (ROM)

296. (Previously Presented) The apparatus as recited in claim 290, wherein the master information block is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
PLMN IDENTITY	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

297. (Currently Amended) The apparatus as recited in claim 290, wherein the messaging block:

inserts the core network operating type information into [[the]] a master information block; and

provides the terminal with the master information block through a predetermined channel.

298. (Previously Presented) The apparatus as recited in claim 297, wherein the predetermined channel is a synchronous channel.

299. (Previously Presented) The apparatus as recited in claim 297, wherein the core network operating type information is periodically inserted into the master information block.

300. (Previously Presented) The apparatus as recited in claim 290, wherein the radio network includes at least a base transceiver station (BTS) and a base station controller (BSC) for controlling the BTS.

301. (Currently Amended) A method for interfacing between a terminal and a radio network connected to a core network, wherein ~~the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type and~~ the core network is an ANSI-41 and GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message comprising core network operating type information and an information element identifying ~~including a core network operating type information representing an~~ the operating type of a core network.

302. (Currently Amended) The method as recited in claim 301, wherein the step a) includes the steps of:

a1) storing ~~[[a]]~~ the core network operating type information in a storage device; and

a2) reading the core network operating type information stored on a storage device during a time period of initialization of the radio network.

303. (Previously Presented) The method as recited in claim 302 wherein the storage device includes a dip switch for designating the operating type of the core network.

304. (Previously Presented) The method as recited in claim 302, wherein the storage device includes a memory for storing the operating type of the core network.

305. (Previously Presented) The method as recited in claim 304, wherein the memory is a read only memory (ROM).

306. (Previously Presented) The method as recited in claim 301, wherein the step a) includes the steps of:

- a1) inserting the core network operating type information into the message; and
- a2) transmitting the message to the terminal through a predetermined channel.

307. (Previously Presented) The method as recited in claim 306, wherein the predetermined channel is a synchronous channel.

308. (Previously Presented) The method as recited in claim 306, wherein, in said step a1), the core network operating type information is periodically inserted into the message.

309. (Previously Presented) The method as recited in claim 301, wherein the message includes a master information block.

310. (Previously Presented) The method as recited in claim 301, wherein the message includes a system information message.

311. (Previously Presented) The method as recited in claim 301, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

312. (Currently Amended) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein ~~the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type~~ and the core network is an ANSI-41 and GSM-MAP operating type, said apparatus comprising:

a storage device for storing core network operating type information representing ~~[[an]]~~ the operating type of ~~[[a]]~~ the core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with ~~the core network operating type information contained in a message comprising the core network operating type information and an information element identifying the operating type of the core network~~ through a predetermined channel.

313. (Previously Presented) The apparatus as recited in claim 312, wherein the storage device includes a dip-switch for designating the operating type of the core network.

314. (Previously Presented) The apparatus as recited in claim 312, wherein the storage device includes a memory for storing the operating type of the core network.

315. (Previously Presented) The apparatus as recited in claim 314, wherein the memory is a read only memory (ROM).

316. (Currently Amended) The apparatus as recited in claim 312, wherein the messaging block:

inserts the core network operating type information into [[the]] a master information block; and

provides the terminal with the master information block through a predetermined channel.

317. (Previously Presented) The apparatus as recited in claim 316, wherein the predetermined channel is a synchronous channel.

318. (Previously Presented) The apparatus as recited in claim 316, wherein the core network operating type information is periodically inserted into the master information block.

319. (Previously Presented) The apparatus as recited in claim 312, wherein the message includes a master information block.

320. (Previously Presented) The apparatus as recited in claim 312, wherein the message includes a system information message.

321. (Previously Presented) The apparatus as recited in claim 312, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			

REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

322. (Previously Presented) The apparatus as recited in claim 312, wherein the radio network includes at least one base transceiver station (BTS) for transmitting a synchronous channel message and a base station controller (BSC) for controlling the BTS.

323-351. (Canceled)